SUBJECT INDEX

Vol. 139C, Nos. 1–4

ABCG5, 209
ABCG8, 209
Absorption, 99
Acclimation, 163, 273
Acetylcholinesterase, 239
ACh, 303
AChE, 303
Acid–base, 163
Acute toxicity, 239
Adult worker bee, 93
Aging, 259
Aiptasia, 295
Algae, 231
Anabolic–androgenic steroids, 219
Anaemia, 245
Androgen, 147
Anthelmintic, 141
Antimicrobial, 231
Antimicrobial peptide, 31
Antioxidants, 281
Antioxidative enzymes, 153
Apis mellifera, 87
Apis mellifera macedonica, 93
Apoptosis, 65, 175
Arctic charr, 127
Artemia, 231
Aryl hydrocarbon, 23
Ascorbic acid, 281
Astaxanthin, 281
Astaxanthin diesters, 99
Astaxanthin *E*/*Z* isomers, 99
Astaxanthin *R*/*S* isomers, 99
ATP, 17, 259
Azinphos methyl, 239

Bathymodiolus, 111
Bioavailability, 195
Bioindicator, 181
Biological membrane, 259
Biotic factors, 181
Biotic ligand model, 273
Bivalvia, 111
BME-UV1 cells, 65
Brevinin-1, 31
Brycon cephalus, 135

Ca^{2+} homeostasis, 201
Cadmium, 163, 181
Camel tissues, 289
Carbamates, 303
Carbaryl, 239
Cardiac contractility, 303
Carotenoids, 99
Carp, 259
cDNA, 111
Cell volume regulation, 17
Ceruloplasmin, 57
Cestode, 141
Chitinase, 225
Cholesterol, 209
Cholinergic receptors, 303
Chronic, 163
Chronic toxicity, 273
Cobalt, 195
Coelenterate toxins, 295
Coenzyme Q, 281
Collagen, 119
Collembola, 195
Common dentex, 153
Copper, 201
Corticosteroid, 11
Corynebacterium sp., 245
Cross-talk, 23
Crustacean, 225
Cyanobacteria, 175, 231
Cytochrome *c* oxidase, 175, 251
Cytochrome *P*450, 289
Cytotoxic, 231
Cytotoxicity, 17

Danio rerio, 47
Detoxification, 93
Development, 11
Developmental stages, 87
Diet, 163
Dissolved organic carbon, 273
Drinking water, 175

Ecotoxicology, 195
Effluent toxicity, 17
Embryogenesis, 281
Endocrine disrupters, 147
Endocrine disruption, 1, 39, 127, 225
Environmental risk assessment, 195
Enzyme activities, 189
EROD, 39
Estradiol, 39
Estrogen, 1, 147
Estrogen mimics, 127
Estrous cycle, 11
17α-ethynylestradiol, 47
Everglades, 231

Female rat, 11
Fertility, 11
Fibrosis, 119
Field study, 181
Fire corals, 267
Fish, 1, 23, 127, 135, 147, 239
Fish erythrocytes, 17
Fish feed, 147
Flemingia vestita, 141
Folsomia candida, 195
Freshwater, 231
Frog skin, 31
Functional and hemolytic anemia, 135

Gene expression, 189
Genistein, 141
Gills, 181
Gluconeogenesis, 23, 141
Glutathione, 281
Glutathione *S*-transferase, 87, 93
Glycolysis, 23
Gonad histology, 47
Gonadal development, 47
Grass shrimp, 281
Growth hormone, 57
Growth hormone secretagogues, 77
Growth hormone secretion, 77
GST, 39
Gulf of Gabès, 181

Haematology, 245
Hematology, 135, 163, 251
Hemolysis, 17, 267
Hepatotoxins, 175
Hexose monophosphate pathway, 141
Hoplosternum littorale, 251
Hormesis, 273
Human and rat livers, 289
Hydrocortisone, 11
Hydrothermal, 111
Hydrozoa, 267
Hypothalamus–pituitary–adrenal axis, 11
Hypoxia, 23, 119

doi:10.1016/S1532-0456(05)00015-3

Ichthyotoxic, 231
IGFBP-3, 65
IGFBP-4, 65
Immunity, 57
Immunoprecipitation, 201
In vivo screening assay, 225
In vivo treatment, 201
Induction, 93
Inhibition, 239
Insects, 87
Invertebrate, 225
Involution, 65
Ion regulation, 273
Ions, 1
Isoenzymes, 87, 93

Kinetic characteristics, 87

Leucocyte, 57
Lipid peroxidation, 153
Lipogenesis, 189
Lipoproteins, 99
Liver, 153, 209
Lyngbya, 231
Lysozyme, 57

Malachite green, 245
Matrinxã, 135
Matrix metalloproteinases, 119
Membrane fluidity, 259
Membrane permeability, 259
Mercury, 201
Metabolic status, 153
Metabolism, 23, 189, 251
Metal toxicity, 195
Metallothionein, 111, 181
Methemoglobin, 135, 251
Methimazole, 289
Microcystin-LR, 175
Microsomal enzyme inducers, 209
Microsomal flavin-containing monooxygenase, 289
Millepora, 267
Milleporin-1, 267
Mitochondria, 175
Molting, 225
Molting hormone, 225
Mouse, 209
MROD, 39
MT-10, MT-20, 111
Muscarinic, 303
Mussel, 201

NADH–methemoglobin reductase system, 135
Natural organic matter, 273
Nematocyst, 267
Nematocysts, 295
Neuromuscular junction, 219
Nitrite, 135, 245

Ontogeny, 87
Oreochromis aureus, 245
Organochlorine, 39, 225
Organophosphates, 303
Oxidation, 259
Oxygen, 23

Pacific oyster, 303
Palaemonetes pugio, 281
Parasite, 141
Pesticide, 239
Pesticides, 39
Pharmacokinetics, 99
Phospholipase A_2, 267
Physico-chemical forms of storage, 181
Phytoestrogen, 147
Pituitary cells, 77
Plasma, 99
Plasma ions, 163
Plasma membrane Ca^{2+}-ATPase, 201
Prolactin, 57
Prolyl 4-hydroxylase, 119
Puberty installation, 11

Raillietina echinobothrida, 141
Ranatuerin-2, 31
Rat, 209
Recovery, 239
Red blood cell, 259
Red blood cells, 17
Red Sea, 267
Refeeding, 153
Reference indices, 245
Reproduction, 11, 47
Respiration, 163
RT-PCR, 111
Ruditapes decussatus, 181

Safety margin, 219
SBP, 127
Screening assay, 225
Seabream, 77
Seminal fluid, 1
Sertoli cell, 1
Sex hormone-binding globulin, 127
Sex steroid-binding protein, 127
Sexual differentiation, 47
SHBG, 127
Smads, 65
SOD isoenzymes, 153
Sodium balance, 273
Soil quality criteria, 195
Stage-specific exposure, 47
Starvation, 153
Stereoisomers, 99
Steroid biotransformation, 39
Sterolin, 209
Stress, 163, 245
Sublethal exposure, 239
Sulfhemoglobin, 251
Sulfide, 251
Swimming, 219

Temporin, 31
Testis, 1
Testosterone, 39
TGF-β1, 65
Thyroid, 189
Toad, 239
Tocopherol, 281
TOSC, 281
Toxicity, 175
Trout, 57, 163

Uca pugilator, 225

Vitellogenin, 1, 147

Xenoestrogens, 127

Yeast estrogen-screen assay, 147

Zebrafish, 47, 231

AUTHOR INDEX

Vol. 139C, Nos. 1–4

Abellán, E., 153
Aboul-Dahab, H.M., 267
Affonso, E.G., 251
Aguiar, L.H., 135
Altran, A.E., 135
Amiard, J.C., 181
Anguiano, O.L., 239
Araújo, M.R.R., 251
Ascencio-Valle, F., 245
Avilez, I.M., 135
Azuma, T., 57

Bebianno, M.J., 181
Becaus, S., 195
Berry, J.P., 231
Bevier, C.R., 31
Bhagwat, S.V., 289
Bjerkeng, B., 99
Bogé, G., 17
Bonomo, M., 201
Bonvillain, R., 225
Burlando, B., 201

Caprì, F., 201
Cardenete, G., 153
Carmen Hidalgo, M., 153
Cavalcante, W.L.G., 219
Chan, C.B., 77
Cheng, C.H.K., 77
Cheng, X., 209
Choe, S.-N., 303
Choo, J.-J., 303
Chowdhury, M.J., 163
Chung, E.-Y., 303
Coral-Hinostroza, G.N., 99
Corrêa, C.F., 251
Cosson, R., 111
Criel, P., 195
Crupi, R., 295

Dal Pai-Silva, M., 219
Das, B., 141
Denis, F., 111
Dieter, M.Z., 209
Doller, A., 119

Fähling, M., 119
Ferrari, A., 239
Fung, C.K., 77
Fung, W., 77

Gajewska, M., 65
Gallacci, M., 219
Gantar, M., 231
Gawley, R.E., 231
Glover, C.N., 273
Guillette Jr., L.J., 39
Gunderson, M.P., 39

Hamza-Chaffai, A., 181
Hardivillier, Y., 111

Ikuta, K., 57

Janssen, C.R., 195
John, A., 289

Kawai, S., 147
Kim, Y.-S., 303
Klaassen, C.D., 209
Kobayashi, M., 147
Kolodziejek, J., 31
Korsgaard, B., 1
Kraemer, L.D., 23

La Spada, G., 295
Laifi, P., 87, 93
Laulier, M., 111
Lee, R.F., 281
Leignel, V., 111
Lemaire, D.G.E., 281
Lock, K., 195

Maack, G., 47
Maher, J.M., 209
Majsterek, I., 175
Mancinelli, G., 201
Marino, A., 295
Matsumoto, T., 147
Mazon, A.F., 251
Michael Conlon, J., 31
Moraes, G., 135, 251
Morales, A.E., 153
Moriwaki, T., 147
Motyl, T., 65
Muià, C., 295
Musci, G., 295
Muto, K., 57

Nagasaka, R., 259
Nielsen, P.F., 31
Nowotny, N., 31

Oberdörster, E., 39
Okamoto, N., 259
Øvrevik, J., 127

Pane, E.F., 163
Papadopoulos, A.I., 87, 93
Park, K.H., 303
Pechen de D'Angelo, A.M., 239
Pereira, O.C.M., 11
Pérez-Jiménez, A., 153
Perlewitz, A., 119
Piffer, R.C., 11
Poch, S.M., 189
Polemitou, I., 87, 93
Polez, V.L.P., 251
Pons, G., 201
Prieto-Trujillo, A., 245

Radwan, F.F.Y., 267
Rantin, F.T., 251
Rasmussen, T.H., 1
Raza, H., 289
Rein, K.S., 231
Richards, M.P., 189
Rizzo, G., 295
Roche, H., 17
Rosebrough, R.W., 189
Russell, B.A., 189
Ruyter, B., 99

Saha, N., 141
Schulte, P.M., 23
Segner, H., 47
Sicinska, P., 175
Silveira-Coffigny, R., 245
Smaoui-Damak, W., 181
Soleño, J., 239
Sonnevend, A., 31
Stenersen, J., 127

doi:10.1016/S1532-0456(05)00016-5

Tananaki, C., 87, 93
Tandon, V., 141
Tarczynska, M., 175
Thiele, B.-J., 119
Tollefsen, K.-E., 127
Tse, M.C.L., 77

Uguen, G., 111
Ushio, H., 259

Valveri, V., 295
Van Eeckhout, H., 195
Venturino, A., 239
Viarengo, A., 201

Walter, Z., 175
Wang, M., 231
Watabe, S., 147
Winston, G.W., 281
Wood, C.M., 163, 273

Yada, T., 57
Yiangou, A., 87, 93
Ytrestøyl, T., 99

Zalewski, M., 175
Zou, E., 225